ALLMIX COMPACT

ALLMIX COMPACT is INTA's versatile fertigation solution, engineered to provide reliable and accurate irrigation and nutrient management for virtually any crop. Suitable for greenhouse and open-field agriculture, it combines professional performance with a compact design, straightforward operation, and excellent value.

Powered by INTA's exclusive circular multi-Venturi injection technology, the system delivers consistent fertilizer dosing without the need for manual flow adjustments. Its efficient hydraulic design minimizes mechanical complexity while providing the precision required for the vast majority of commercial crops.

For applications requiring even greater accuracy, optional fertilizer counters continuously monitor fertilizer consumption and automatically correct dosing, ensuring optimal nutrient delivery under all operating conditions.

Designed for growers seeking dependable automation with an excellent balance between performance, flexibility and investment cost, ALLMIX COMPACT is equally suited for vegetables, berries, ornamentals, nurseries, orchards and many other crops.

ALLMIX COMPACT permite:

- Manage irrigation and fertigation with confidence.
- Improve water and fertilizer efficiency.
- Control multiple irrigation sectors.
- Integrate soil, substrate and climate sensors.
- Expand the installation as production grows.

Built on the SYSCONTROL Platform

Every INTA fertigation system incorporates SYSCONTROL, INTA's intelligent automation platform.

SYSCONTROL provides complete control of irrigation, fertigation, EC, pH, alarms and water management. When greenhouse climate control is required, the same controller can be expanded through a software license to activate advanced climate control functions—without replacing any hardware.

One controller. One platform. Total crop control.

Remote Management with

By connecting to SYSINTA, growers can monitor and manage their installation remotely from any computer, tablet or smartphone. Real-time data, alarms, historical records and system adjustments are always available, wherever you are.

ALLMIX COMPACT

Technical Specifications

Power supply:
-Three-phase 230v / 400v AC + N + T (10-15%) 50/60Hz.
-Other voltages available on request.

Power consumption:
-Depending on the pump selected.

Operating conditions:
-Operating pressure range: 2 - 9 bar (29 - 130 psi).

-Dosing channels via magnetic pump: up to 5 (4 fert. + pH).

-Fertilizer dosage per channel: 400 L/h.

-Working flow: 10 to 60 m3/h.

-Adaptability for lower and higher flow rates on demand (from 1 to 100 m3/h).

Controller Features:
-3 pump control outputs (dry contact).

-16 valve control outputs (expandable – max. 360).

-8 digital inputs (expandable).

-8 analog inputs (4 - 20 mA) (expandable).

-Card with 2 outputs 0 – 10 v (optional).

-Remote control via SYSINTA.

-Communication with SYSINTA: Ethernet.

-CANBUS communication between expansions.

Physical Specifications

-Operating temperature:
0 - 50°C without direct solar radiation.

- Humidity:
0 – 95% RH non-condensing.

- Protection rating:
IP54.

- Size:
95x45x130 cm.

-Weight:
approx. 180 kg (depending on the pump)

Irrigation Specifications

Irrigation modes:
by time, volume or signal.

Number of groups: 16.

Number of fertilization programs: 16.

Activation modes:
-For a fixed time, daily irrigation, or fixed.
-Interval-based irrigation.
-By solar radiation or soil moisture probe.
-By external signal, special sensors, or automatic drainage control.

Dosage mode:
-By EC control (absolute or relative).
-Proportional dosing based on flow rate.
-By time, by volume.

Recirculation control.

Dosage compensation for solar radiation.

Working pressure set point per group in signal 0 – 10 V.

Variation of the day in 4 periods:
EC set point, irrigation time, drainage percentage set point, interval value, etc.

pH Control:
acidic or alkaline.

Pre-irrigation and post-irrigation management.

Control of 4 master valves per group

Alarms:
related to EC, pH, irrigation flow and water pressure.

Frost protection.

Filter cleaning control:
up to 8 filters.

Agitator control:
up to 5 agitators.

With INTA fertilizer counters:
fertilizer flow adjustment is automatic, additional alarms — such as "dirty filter" or "broken metering valve" — are included for the upgraded system.

Capability to control greenhouse climate parameters through additional software licenses.